

ABSTRACT OF THE DISCLOSURE

In a cleaning nozzle, a trumpet-shaped portion made up of multiple inclined portions or a curved portion is formed upstream of a minimum diameter portion of an ejection nozzle portion of a converging-diverging shape, and a gas ejection port is opened to an intermediate part of the trumpet-shaped portion. Inside the gas ejection port is formed a cleaning liquid ejection port. A gas is ejected at a higher speed than that of a cleaning liquid from the cleaning liquid ejection port to transform the cleaning liquid into droplets, which are further accelerated by a tapered portion formed downstream of the minimum diameter portion before being ejected. A small amount of liquid may be supplied to a pressurized gas passage between a powder injection portion and the cleaning nozzle to prevent a possible clogging of passage due to powder.